

flavor.

PI 589904. *Malus domestica* Borkh.
Smoothgold.

The following were developed by David Wildung, University of Minnesota, North Central Experiment Station, 1865 Highway 169 E, Grand Rapids, Minnesota 55744, United States; Wes Gray, West Central Experiment Station, Morris, Minnesota 56267, United States; C. Stushnoff, Department of Horticultural Science, University of Minnesota, St. Paul, Minnesota, United States; S. Munson; L.B. Herty. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States . Received 02/15/1988.

PI 589905. *Malus domestica* Borkh.

State Fair. Pedigree - Mantet x Orile. Introduced 1978. Cross made 1949, selected 1959, tested as MN 1639. Comments:: Round-conic, medium size fruit is brilliantly striped with reddish orange over a yellow background. Creamy flesh is juicy, aromatic, sweet and firmer than most early varieties. Moderately subacid flavor. Excellent for fresh eating. Keeps well for a summer apple. Somewhat susceptible to scab and mildew. Ripens uniformly-early to late August, depending on location. Cold hardy to -40 degrees F. Highly susceptible to fire blight.

PI 589906. *Malus domestica* Borkh.

Sweet Sixteen. Pedigree - MN 477 (Malinda open-pollinated) x Northern Spy Cross made by Alderman in 1937; selected in 1950, tested as MN 1630. Introduced 1979. Comments:: Red striped conic fruit up to 3". Aromatic, moderately acid; firm, crisp, cream-colored flesh. Unique, pleasing faintly nutty flavored cooking apple. Excellent for pice, sauce, dessert. Handles and stores well. Early bearing, late blooming tree with moderately spreading, vigorous habit. Dependable annual bearer. Resistant to scab & fire blight. Extremely cold-hardy variety; can withstand -50 degrees F with occasional winter injury. {Addendums & Regtrs. of Apple, List 35; Hort Sci Vol.26(8)}.

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PI 589907. *Malus domestica* Borkh.

Transcendent Crab. Pedigree - x adstringens clons. Grown before 1844. Comments:: One of the largest of the Siberian crab apples. Medium to large round-oval fruit, flattened at the ends. Slightly, but regularly ribbed. Golden yellow with rich crimson cheek sometimes nearly covered with red. Juicy, creamy yellow flesh - fine flavor. Long slender stalk. Open deep cavity. Closed calyx. Good for fresh eating; excellent for jelly. Poor storage ability. Beautiful, heavy bearing, medium size tree. Ripens late August to September. Considered one of the best economic crab apples but often severely infested with fire blight. Hardy. 600 hrs. chilling.

The following were developed by A.R. Whitney. Donated by Irrigated Agric. Research Ext. Center, P.O. Box 30, Washington State University, Prosser, Washington 99350, United States. Received 02/15/1988.

PI 589908. *Malus* hybrid

Whitney Crab. Pedigree - Described by Warder in 1869. Comments:: Round to conic crab apple; often larger than a golf ball. Uniform in size and shape. Light greenish yellow with red blush or stripes. Sweet juicy yellowish flesh. Mildly subacid with slight crab apple flavor.